AC6 Installing the weather protection covers

These instructions are for installing the AC6 weather protection covers onto an AC6 array. The number of covers required will depend on the array configuration. Be sure to reference the installation instructions for the mounting solution, since the sequence may vary depending on how the array will be suspended.

NOTE: Instructions must be followed completely to ensure water tight seal. Failure to properly install weather protection covers could result in premature product failure and/or void the warranty.

PREPARATION

1. Confirm the configuration of the AC6 arrays:

   - Number of AC6 modules

   - Location and quantity of audio, network, and power cabling. One end of each cable must be left unterminated to pass through the knockouts.

   - Identify if covers will be fitted before or after mounting (refer to mount instructions)

2. Based on the quantity of AC6 modules determine the quantity of covers required:

   - 2X End Cover – (1) per array

   - Joint Cover – One less than number of speakers in array [i.e. (2) for (3) speakers]

WARNING: Installation should only be done by an experienced technician. Wear safety glasses and take proper safety precautions when using tools.

Inventory your kit

End Cover (each kit)

Qty	Description
2	Input Cover
2	Input Cover Gasket
18	M5 x 18 Buttonhead Head Allen Drive Screws
3	3/4" Gland Nuts

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Inventory your kit

End Cover Flush (each kit)

Qty	Description
2	Input Cover
2	Input Cover Gasket
18	M5 x 18 Buttonhead Head Allen Drive Screws
3	3/4" Gland Nuts
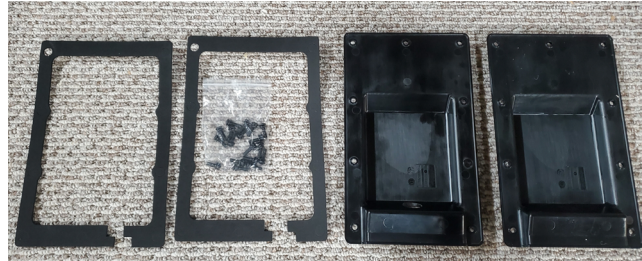
Joint Cover (each kit)

Qty	Description
1	Input Joint Cover
1	Input Joint Cover Gasket
1	Joint Gasket
18	M5 x 18 Buttonhead Head Allen Drive Screws
3	3/4" Gland Nuts

Required Tools & Supplies

- 3mm Allen Wrench
- Flat head screw driver
- Mallet or Hammer
- Torque Driver (with 3mm Hex/Allen bit)
- Thread locker, Medium Strength - Loctite 242, Hernon 423, or equivalent.

Remove cable knock outs (as needed)

- Place a flat head screwdriver into the slot of a ¾" knockout that is to be removed.
- Hit the end of the screw driver to shear the knockout and remove the rest of the knockout by hand if necessary.
- If burrs remain, remove them with a countersink or deburring tool.

   *Note: ½" knockout size is for reference only and must be drilled out.*

- To make the connection water tight, a ¾" (or ½" as needed) gland nut (included), rigid conduit adapter or flexible conduit adapter (not included) should be fitted to each knockout prior to installing cables.
- Silicone sealant should be used as needed to make any cable connections water tight.

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For inputs at the end of the array:

1. Remove the (9) M5 x 12 screws at perimeter of input panel.

2. Adhere the input cover gasket to the perimeter of the input panel.
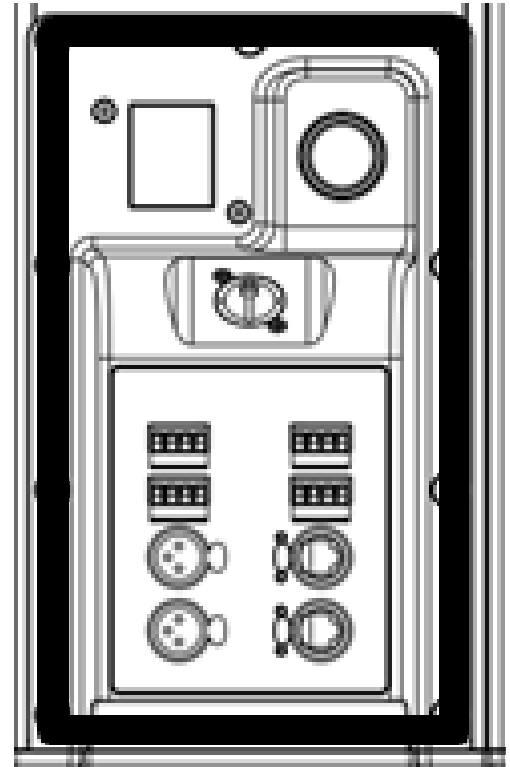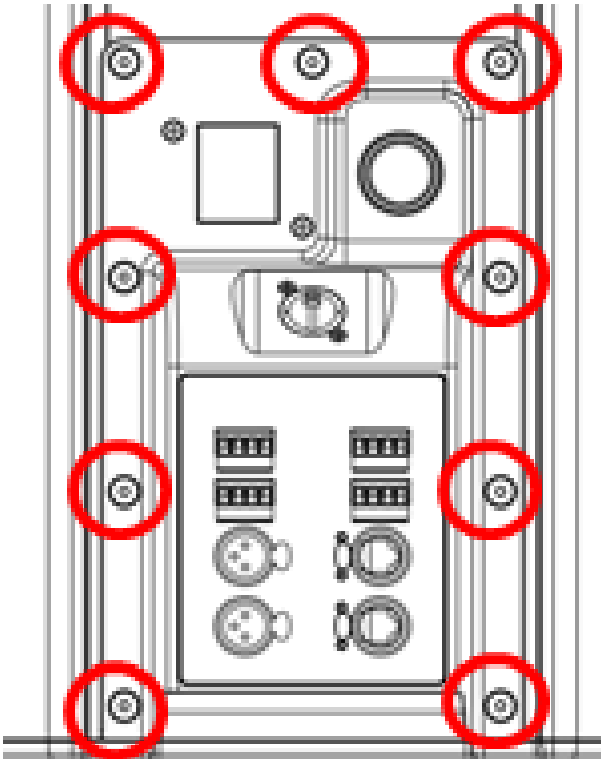
3. Pass unterminated cable ends through the knockout on the input cover and wire loudspeaker (skip if no connections). Gland nuts should be secured to each fitting before cabling.
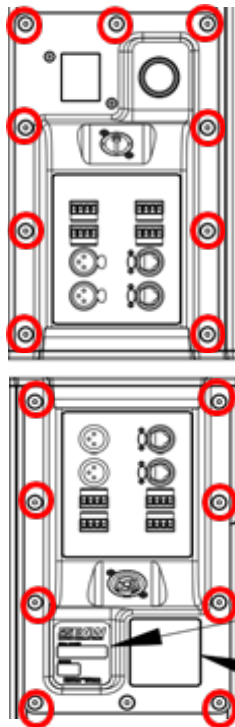
4. Attach input cover to loudspeaker using (9) M5 x 18 screws.

5. Double check all gaskets, screws and gland nut connections (or conduit adapters if using) are secure and water tight. Apply silicon sealant as needed to address gaps.
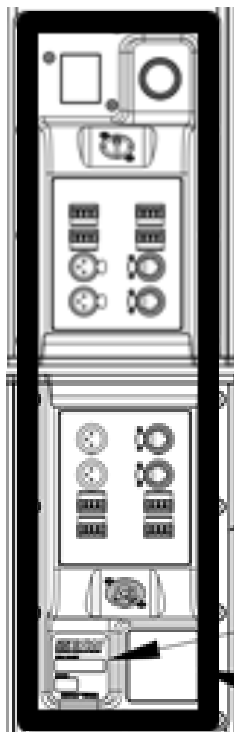
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For inputs at the center of the array:

1. Remove the (9) M5 x 12 screws at perimeter of input panel.

2. Adhere the input cover gasket to the perimeter of the input panel.

3. Insert the joining gasket between the two cabinets.

4. Wire cables to the loudspeaker, using slots in the joining gasket and the cable knockout as needed. Gland nuts should be secured to each fitting before cabling.

5. Attach input cover to loudspeaker using (18) M5 x 18 screws.
   - Apply thread locker to each screw.
   - Torque screws to 23kg-cm [20.3 lb-in]

6. Double check all gaskets, screws and gland nut connections (or conduit adapters if using) are secure and water tight. Apply silicon sealant as needed to address gaps.

To service:

1. Follow above steps in reverse order to remove the cover.

2. Prior to re-installation, inspect gaskets for damage and replace if needed.